BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

Schedule-B

NAME OF WORK: Improvements to Concrete Roads in KG Halli AK Colony and Surrounding area in Shettyhalli Ward No.12 Shettyhalli Sub Division.

Sl. No	Description of work	Unit	Qty	Sanctioned rates	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	KSRRB M300-59.2. Loosening, levelling and compacting original ground supporting embankment to facilitate placement of first layer of embankment I subgrade, scarified to a depth of 150mm, mixed with water at OMC and then compacted by rolling so as to achieve minimum dry density as given in Table 300-2 for embankment/subgrade including HOM construction, labour etc.. complete as per specifications. MORTH Specification No. 305.3.4 (PW,P& IWTD SR 2018-19, Pg No 147 Item No.19.66)	Sqm	1867.90	24.38	Rupees Twenty Four And Paise Thirty Eight Only
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (PW,P & IWTD SR 2018-19, Item No.19.14, Page No.143)	Cum	933.95	43.46	Rupees Forty Three And Paise Forty Six Only
3	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications. MORTH I Chapter 3 (PW,P& IWTD SR 2018-19, Pg No 147 Item No.19.64)	Sqm	1867.90	6.36	Rupees Six And Paise Thirty Six Only
4	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel I murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 (PW,P& IWTD SR 2018-19, Pg No 147 Item No.19.60)	Cum	466.98	344..50	Rupees Three Hundred Forty Four Only
5	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.etc., complete as per specifications and as per the direction of Engineer-in charge of the work. (PW,P& IWTD SR 2018-19, Pg No 153 Item No.20.5)	Cum	373.58	1994.92	Rupees One Thousand Nine Hundred Ninety Four And Paise Ninety Two Only

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6	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.	MT	15.47	75223.96	Rupees Seventy Five Thousand Two Hundred Twenty Three And Paise Ninety Six Only
7	KSRB 2-1 : Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications, specification. No. KBS 2 .1 (a)/2.3.1	Cum	798.15	263.94	Rupees Two Hundred Sixty Three And Paise Ninety Four Only
8	KSRB 4-1.7 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1,4.2	Cum	132.96	5714.73	Rupees Five Thousand Seven Hundred Fourteen And Paise Seventy Three Only
9	KSRRB M2200-5.12. Providing and laying Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7 cum and fine aggregates @ 0.47 cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008. i) Upto 5 m height. (PW,P& IWTD SR 2018-19 P 227, I-28.7.12)	Cum	281.23	5775.38	Rupees Five Thousand Seven Hundred Seventy Five And Paise Thirty Eight Only
10	Providing and fixing precast reinforced cement concrete covering slabs 10cm thick made out of M25 with OPC cement @340kgs per cum , 20mm and down size graded ranite metal coarse aggregate @0.70cm and fine aggregates @0.74 cum with super plastisizers, machine mixed , including providing and removing , centering ,shuttering strutting propping etc ., for edges of slab with TMT steel (Fe500) cost & reinforcement charges including finishing as required with cost of reinforcement etc.,complete as directed by engineer incharge of the work	Sqm	775.17	1615.00	Rupees One Thousand Six Hundred Fifteen Only

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	CONCRETE PAVEMENT				
11	KSRRB M600- Cement Concrete Pavements KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1 ,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a hatching plant, transported to site,laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5 -do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. (PW,P& IWTD SR 2018-19 P- 174, I-22.1.2)	Cum	280.19	3944.51	Rupees Three Thousand Nine Hundred Forty Four And Paise Fifty One Only
12	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to18:383-2016, with Superplastizer at 3 Its conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades,textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. etc., complete as per specifications and as per the direction.	Cum	280.19	5354.02	Rupees Five Thousand Three Hundred Fifty Four And Paise Two Only

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